

CLAIMS

1. A fuel cell, comprising:
a fuel electrode;
an oxygen electrode, the fuel electrode and the oxygen electrode facing each
5 other; and
an electrode film, the electrode film disposed between the fuel electrode and
the oxygen electrode, wherein at least one of the fuel electrode and the oxygen
electrode contains a fibrous carbonaceous material directly and is formed on the
electrode film.
- 10 2. A fuel cell as claimed in claim 1, wherein the at least one of the fuel
electrode and the oxygen electrode containing the fibrous carbonaceous material has a
thickness which is no greater than 5 μm .
- 15 3. A fuel cell as claimed in claim 1, wherein the fibrous carbonaceous
material is a carbon material having a tubular structure.
4. A fuel cell as claimed in claim 1, wherein the fibrous carbonaceous
material is a graphite material having a fibrous structure.
- 20 5. A method for preparing a fuel cell, the method comprising the steps of:
providing an electrode film;
providing both a fuel electrode and an oxygen electrode, wherein at least one of
the fuel electrode and the oxygen electrode contains a fibrous carbonaceous material;
25 and
forming the at least one of the fuel electrode and the oxygen electrode directly
on the electrode film, wherein the fuel electrode and the oxygen electrode face each
other with the electrode film being disposed therebetween.
- 30 6. The method as claimed in claim 5, wherein the step of forming at least
one of the fuel electrode and the oxygen electrode directly on the electrode film

includes the step of spraying the fibrous carbonaceous material directly on the electrode film.

7. The method as claimed in claim 5, wherein the step of forming at least
5 one of the fuel electrode and the oxygen electrode directly on the electrode film includes the step of dripping the fibrous carbonaceous material directly on the electrode film.